VisIt is a free interactive parallel visualization and graphical analysis tool for viewing scientific data on Unix and PC platforms. It is widely used in various DOE labs and for other large simulations. VisIt has developed an ITAPS_MOAB reader that can be used to view .h5m (HDF5) and .cub(CUBIT) files.

Follow these steps to build VisIt with ITAPS option:

1. Goto: http://portal.nersc.gov/svn/visit/trunk/releases/2.3.0/build_visit2_3_0 (This version has been tested and installed, you can try the latest one)

2. Copy the shell script in a file and save it as build_visit.sh in an empty folder. Make it an executable with chmod +x build_visit.sh.

> If you have configured PyTAPS, you may have used the home scheme, in which the local ~/.pydistutils.cfg was edited to define the "home" installation folder for python bindings on your local machine. (http://trac.mcs.anl.gov/projects/ITAPS/wiki/InstallingPyTAPS). You need to disable that file while you are building VisIt (for example, rename it)

3. Invoke the script 'build_visit.sh'.

4. Choose 'Advanced' on the installation window, select ITAPS, NETCDF and HDF5 options. You may choose other options like Silo, Exodus.

5. It will take a while, it will build and install several packages it needs and finally will build VisIt.

6. You can also launch the build script with a command like

> ./build_visit.sh --itaps --python --console --hdf5 --netcdf --exodus --szip --silo

7. All done, now cd into the visit2.3.0/src/bin directory and launch visit - './visit'. You can add <visit2.3.0/src/bin> to your PATH variable, or you can follow the

> installation instructions to install it in a different folder.

Note: gcc-4.4.3 and g++-4.4.3 were used to build this version.

When opening an .h5m file make sure to use 'Open file as type' as 'ITAPS_MOAB', otherwise you will get an error message.